

Product datasheet for TP318935

TLK2 (NM_006852) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tousled-like kinase 2 (TLK2), transcript variant A, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218935 representing NM_006852 Red =Cloning site Green =Tags(s)

MMEELHSLDPRRQELLEARFTGVGVSKGPLNSESSNQSLCSVGSLSKDEKETPEKKQNDQRNRKRKAEPY
ETSQKGKTPRGHKISDYFEFAGGSAPGTSPGRSVPPVARSSPQHSLSNPLRRVEQPLYGLDGSAAKEAT
EEQSALPTLMSVMLAKPRLDTEQLAQRGAGLCFTFVSAQQNSPSSTGSGNTEHSCSSQKQISIQHRQTQS
DLTIEKISALENSKNSDLEKKEGRIDLLRANCDLRRQIDEQQKMLEKYKERLNRVMTSKLLIEKSKQ
EKMACRDKSMQDRLRLGHFTTVRHGASFTEQWTDGYAFQNLKQQRERINSQREEIERQRKMLAKRKP
M
GQAPPATNEQKQRKSKTNGAENETLTLAEYHEQEEIFKRLRLGHLKKEEAEIQAELELERLVRNLHIRELK
RIHNEDNSQFKDHPTLNDRYLLHLLGRGGFSEVYKAFDLTEQRYVAVKIHQLNKNWRDEKKENYHKHA
C
REYRIHKELDHPRIVKLYDYFSLDTSFCTVLEYCEGNDLDFYKQHKLMSEKEARSIIIMQIVNALKYLN
EIKPPIIHYDLKPGNILLVNGTACGEIKITDFGLSKIMDDDSYNSVDGMELTSQGAGTYWYLPPECFVVG
KEPPKISNKVDVWSVGVIFYQCLYGRKPFQHNQSQQDILQENTILKATEVQFPKPVVTPEAKAFIRRL
AYRKEDRIDVQQLACDPYLLPHIRKSVSTSSPAGAAIASTSGASNNSSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	85.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_006843](#)

Locus ID: 11011

UniProt ID: [Q86UE8](#)

RefSeq Size: 3616

Cytogenetics: 17q23.2

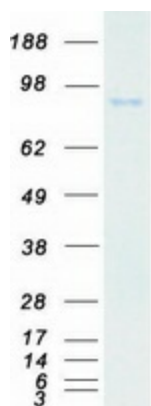
RefSeq ORF: 2250

Synonyms: HsHPK; MRD57; PKU-ALPHA

Summary: This gene encodes a nuclear serine/threonine kinase that was first identified in Arabidopsis. The encoded protein is thought to function in the regulation of chromatin assembly in the S phase of the cell cycle by regulating the levels of a histone H3/H4 chaperone. This protein is associated with double-strand break repair of DNA damage caused by radiation. Pseudogenes of this gene are present on chromosomes 10 and 17. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified TLK2 protein (Cat# TP318935). The protein was produced from HEK293T cells transfected with TLK2 cDNA clone (Cat# [RC218935]) using MegaTran 2.0 (Cat# [TT210002]).